FILE NOTATIONS

Entered in NID File	✓	Checked by Chief	PMB
Location Map Pinned	✓	Approval Letter	12-12-69
Card Indexed	✓	Disapproval Letter	

COMPLETION DATA:

Date Well Completed	12-24-69	Location Inspected	
WW	WW	TA	Bond released
GW	OS	PA	State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.) 3

E..... I E ✓ Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

4-993ger

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

State

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-026222

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Lingelbach

2. NAME OF OPERATOR: ~~Kenneth D. Luff~~ - H. P. McLish

9. WELL NO.: 3

3. ADDRESS OF OPERATOR: 210 Patterson Building, Denver, Colorado 80202

10. FIELD AND POOL, OR WILDCAT: Horseshoe Bend

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1527 fsl x 660 fel (NE SE)

At proposed prod. zone: SENESE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20-T6S-R21E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Vernal 10 miles North

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 660'

16. NO. OF ACRES IN LEASE: 1462.70

17. NO. OF ACRES ASSIGNED TO THIS WELL: 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 4000'

19. PROPOSED DEPTH: 3800' Uinta

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4721 GR

22. APPROX. DATE WORK WILL START*:

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	250'	150 sacks (circ.)
7 7/8"	4 1/2"	9.5#	3800'	200 "

Propose to drill 250' of 12 1/4" and set 250' of 8 5/8" surface casing. Nipple up Schaffer double hydrolic BOP and test same. Drill 7 7/8" hole to 3800' maintaining proper mud weight to protect against 1700 psi gas bearing sands below a depth of 3000'. Check BOP on each tour. Run IES log at total depth. If indicated to be productive, run 9 1/2# 4 1/2" casing and complete as well.

"An exception to Rule C3(b) is requested for this location as it is about 4000' from the Luff-McLish #1 Joyce Luff in the SW SE Sec. 21, T6S, R21E currently completed as a Uintah formation gas well.

This exception is requested under the provisions of Rule C3(c) 1 & 2 as the necessity is based on topographical conditions and the leases affected by the proposed well are controlled by the applicant."

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Kenneth D. Luff TITLE Operator DATE

(This space for Federal or State office use)

PERMIT NO. 43-047-30072 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

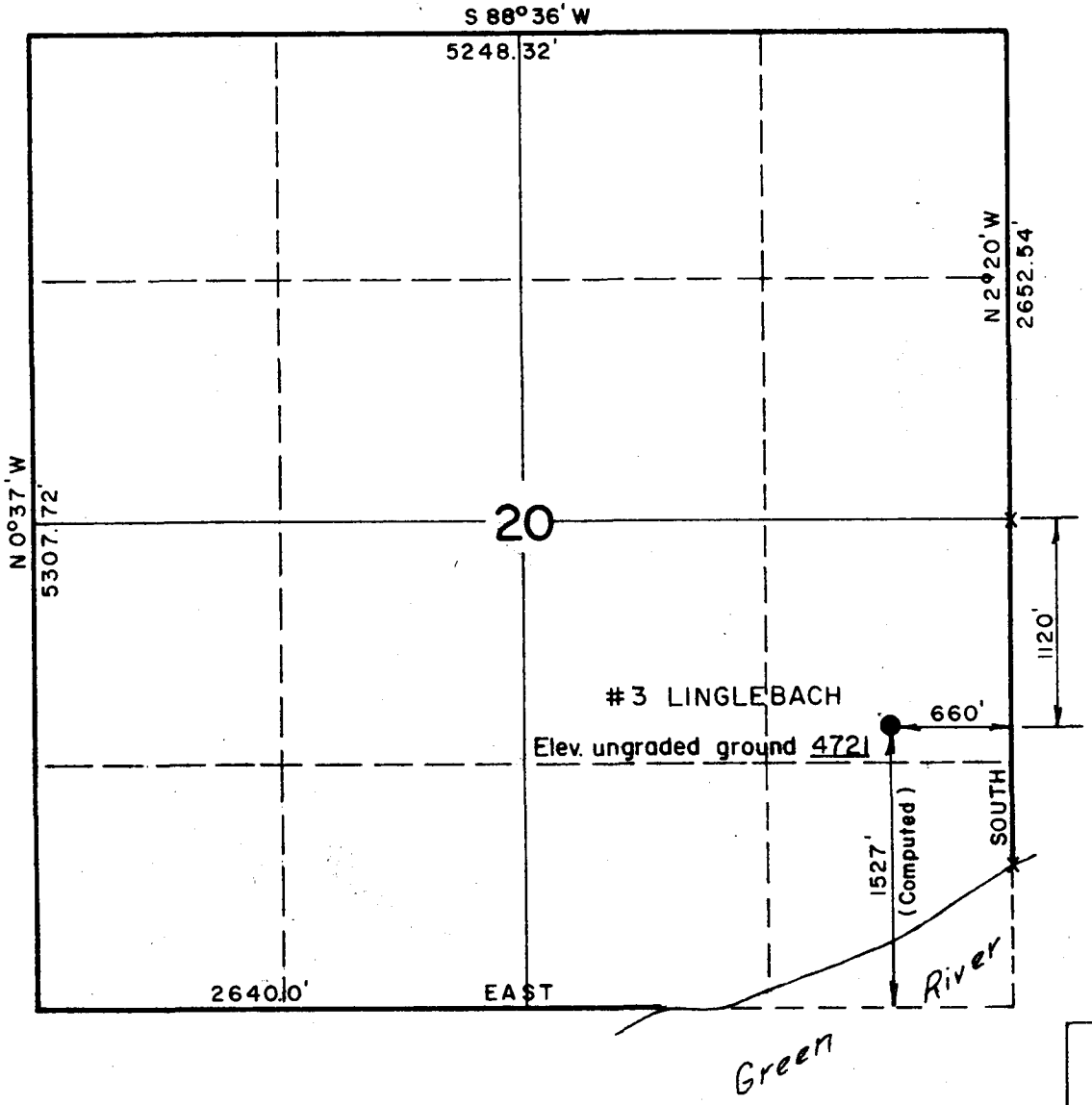
*See Instructions On Reverse Side

T 6 S, R 21 E, SLB&M

PROJECT

KENNETH D. LUFF

WELL LOCATION AS SHOWN IN THE NE1/4 SE1/4, SECTION 20, T 6 S, R 21 E, SLB&M. UINTAH COUNTY, UTAH.



X = Corners Located (Brass Caps)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Dave Stewart

REGISTERED LAND SURVEYOR
REGISTRATION Nº 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 1 Dec. 1969
PARTY LDT & KM	REFERENCES GLO Township Plat
WEATHER Clear & Cold	FILE K.D. LUFF

December 12, 1969

K.D. Luff & H.P. McLish
210 Patterson Building
Denver, Colorado 80202

Re: Well No's: G.I.C. Federal #1,
Sec. 33, T. 6 S, R. 21 E,
Lingelbach Federal #3,
Sec. 20, T. 6 S, R. 21 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned wells is hereby granted. However, this approval is conditional upon this office receiving a surveyor's plat for the G.I.C. Federal #1 well. The approval is granted in accordance with Rule C-3(c).

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

This approval terminates within 90 days if the wells have not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your co-operation with respect to completing this form will be greatly appreciated.

The API numbers assigned to these wells are: 43-047-30072-Lingelbach #3, 43-047-30073-G.I.C. Federal #1, (see Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
Enclosures

cc: U.S. Geological Survey
8416 Federal Building
Salt Lake City, Utah 84111

Ken Zapp - Horsepoint Unit

(1) Lengleback # 3 NE SF 20, 6S 21E
Uintah - fresh water 2000' ??
50' above perfs. - pull 5000 of 4½ -
35 sks top of stub - 35 sks base
of surface pipe (~~[illegible]~~)

(2) G.I.C. # 1 NW SW sec 33 6S 21E

(3) Lengleback # 2 - SE SE sec 30 6S 21E

Above 3 well P & A 10/30/70

by U. S. G. S. - Jerry Daniels - PWB

POOR COPY

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
Kenneth D. Luff

3. ADDRESS OF OPERATOR
210 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface **1527 fsl x 660 fel (NE SE)**
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: **U-026222**
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: **Lingelbach**
9. WELL NO.: **3**
10. FIELD AND POOL, OR WILDCAT: **Horseshoe Bend**
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: **20-T6S-R21E**
12. COUNTY OR PARISH: **Uintah**
13. STATE: **Utah**

14. PERMIT NO.:
DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12/17/69	12/24/69		4721 Grd. - 4732 KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3801'			→	X	No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE: **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN: **Aldrita Logging Co., Schlumberger IES Log and GRN Log**

27. WAS WELL CORED: **No**

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	325'	12 1/4"	165 sacks	
4 1/2"	9.5#	3798'	7 7/8"	200 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3601	3601

31. PERFORATION RECORD (*Interval, size and number*)
2 shots/interval-1/2" as follows: 3462-63, 3468-69, 3512-13, 3552-53, 3572-76, 3582-83, 3588-89, 3617-18, 3625-30

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3422-3629	500 gal. 15% Hcl
	10,000# 10/20 sand
	See attached report

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
Temp. Susp.	Flowing	Temp. Susp.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/9/70	24	1"			439	86-508	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
175	475			439	86-508	--

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Flare

TEST WITNESSED BY: **J. Tedlock**

35. LIST OF ATTACHMENTS
Geologic Report and Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Kenneth D. Luff TITLE **Operator** DATE **3/19/70**

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "*Sacks Cement*": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	SEE GEOLOGIC REPORT		

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
"A" Marker	3236	
"B" Marker	3398	(+1334'
"C" Marker	3506	
"D" Marker	3608	
Green River Trans.	3749	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
GPO 837-497

WELL SUMMARY

Operator:	Kenneth D. Luff
Well:	#3 Lingelbach
Location:	NE SE (660 fel x 1527 fsl) Section 20, T6S, R21E Uintah County, Utah
Elevation:	4721 Grd 4732 KB
Contractor:	Barker Drilling Service
Rig Type:	Ideco (Bowden)
Commenced:	December 17, 1969
Completed	December 24, 1969
Total Depth:	3801 Driller 3798 Schlumberger
Casing:	Surface: 8 jts. of 8 5/8", 24#, J-55 casing, landed at 225' KB - cemented with 165 sacks of regular cement with 2% calcium chloride
	Production: 121 joints of 4 1/2#, 9 1/2#, J-55, landed @ 3798' KB, cemented with 200 sacks of 50/50 pozmix.
Hole Size:	12 1/4" to 228'; 7 7/8" to 3801'
DST:	None
Logging Services:	Aldirita Logging Company 3420 to 3801 Schlumberger IES Log 227 to 3798' Schlumberger GRN Log 3100 to 3772'
Samples:	Vernal Warehouse
Geologist:	Al Chatham - Kenneth D. Luff
Status:	Attempt Uinta gas sand completion

CHRONOLOGIC HISTORY OF WELL

12/16/69 - Moving in Barker Ideco rig and rigging up same.

12/17/69 - Completed rigging up. Started mixing mud at 6 p.m. and spudded 12 1/4" surface hole at 9:45 p.m. Drilled ahead to 122'. Survey 1/2 degree @ 90'.

Total Footage 122'

12/18/69 - Drilled 12 1/4" surface hole to 228'. Ran 8 joints of 8 5/8" surface casing, 8 Rd, 24#, STC, landed at 225.34 KB and cemented with 165 sacks of type G regular cement with 3% calcium chloride. Plug down @ 7:15 a.m. Had good circulation throughout job. W.O.C. and nippling up from 7:15 a.m. to 6:30 p.m. Drilling cement and plug at 6:30 and new hole at 8 p.m. Drilled 7 7/8" hole to 707'.

Total Footage 479'

12/19/69 - Drilled 7 7/8" hole to 1965' with water. Made trip for bit #2 @ 1139 and for bit #3 at 1774'.

Total Footage 1258'

12/20/69 - Drilled 7 7/8" hole to 2910' with water. Made trip for bit #4 @ 2278'. Cleaned pits on trip. Laid down one joint of drill pipe on trip due to hole in pipe.

Total Footage 945'

12/21/69 - Drilled 7 7/8" hole to 3482' with mud. Made trip for bit #5 at 2862. Cleaned pits and started mudding up at 3300'. Made trip for bit #6 @ 3482'. Mixed 55 sacks of Bar @ 3482' to control hydrostatic for gas zone @ 3360'.

Total Footage 572'

12/22/69 - Drilled 7 7/8" hole with mud to 3706'. Completed trip for bit #6. Made trip for bit #7 @ 3507 after bit would not drill. Wash 30' to bottom on trip @ 3507'.

Total Footage 224'

12/23/69 - Drilled 7 7/8" hole to 3801' with mud. Made trip for bit #8 @ 3706'. Reamed 20' on trip at 3801'. Made 10 stand short trip and circulated one hour before coming out to log hole. Ran Schlumberger IES Log. Went back in hole to lay down drill pipe.

Total Footage 95'

12/24/69 - Laid down drill pipe and collars. Ran 121 joints of 4 1/2", 9 1/2#, J-55 production casing, landed at 3798' KB.* Cemented with 200 sacks of 50/50 posmix - 2% gel and 10% salt with plug down @ 8:45 a.m. Circulated 45 minutes before cementing pipe - had good circulation throughout job. Float would not hold so left 400# on pipe. Tore down and released rig.

*Ran scratchers over following zones: 3460-75, 3490-3500, 3505-20, 3550-3600, 3615-35, 3665-3700, 3720-35.

Luff #3 Lingelbach
NE SE Sec. 20, T6S, R21E
Uintah County, Utah

12/31/69 - Rigged up Schlumberger and ran Gamma Ray Neutron Log. Perforated as follows:

3462-63 - 2 holes
3468-69 - 2 holes
3512-13 - 2 holes
3552-53 - 2 holes
3572-76 - 2 holes
3582-83 - 2 holes
3588-89 - 2 holes
3617-18 - 2 holes
3625-30 - 4 holes

Went in hole with 110 jts. of 2 3/8" tubing. Landed at 3441'. Hooked up well head. Unable to close master valve due to ice in valve. Shut down.

1/1/70 - Replaced master gate. Ran swab from 3400'. Well unloaded immediately. After 2 hrs. of flow, well still making considerable water from casing. Gas in excess of 1 million CFG/D per day. Shut well in at 6:30. Will clean up well tomorrow.

1/2 - Shut in pressures - CP-1050# - TP-1050#. Open well to pit @ 7:00 a.m. on 3/4" choke and leave well open remainder of day. At 6:00 p.m. - CP-200# - TP-50#. Well producing gas @ 1,100 MCF/D with heavy fog of water. Shut well in.

1/3 - Well shut in.

1/4 - TP-1500# - CP-1500#. Open well to pit and blow down in 5 min. TP-"0" - CP-50#. After 30 min. well producing at rate of TSTM. Shut well in.
8:00 P.M. - TP-1500 - CP-1470. Open well to pit and blow down in about 5 min., heavy fog of water. TP-50# - CP-175#. No measurement of gas. Shut well in.

1/5 - Shut in pressure - TP-1450# - CP-1480#.
9:30 a.m. - Open well to pit and blow down in 5 min.
10:00 a.m. - TP-100# - CP-220# - 542 MCF/Day - Mist of water
1:40 p.m. - TP-100# - CP-140# - 729 MCF/Day - less water
2:40 p.m. - TP-100# - CP-140# - 754 MCF/Day - less water
10:30 p.m. - TP-100# - CP-140# - 777 MCF/Day - shut in well
11:50 p.m. - TP ? - CP-1220#

1/6 - Well shut in.

1/7 - Shut in pressure - TP-1450# - CP-1470#. Blow down in 5 to 7 min. No blow. No test. Shut in.

Luff #3 Lingelbach
NE SE Sec. 20, T6S, R21E
Uintah County, Utah

1/8 - Shut in pressure - TP-1450# - CP-1470#. Well blew down in 5 min. Well making good stream of water (1/4" to 3/8" stream). Frac Uintah sand perf above with 10,000 #10-20 sand in 8,000 gallons Potassium chloride water. Spearhead frac with 500 gallons 15% acid. At 10 BPM, noted formation break from 2400# to 2000#. Dropped 5 RCN balls and noted decline in injection rate from 23 BPM to 13 BPM @ 3500#. Average injection rate 16 BPM. Average pressure 3500#. Instant SIP-1700#, 15 min. SIP-1200#. Total load 308 bbls. Job complete @ 11:45 a.m.
3:45 p.m. - TP-300 - CP-240#. Open well to pit thru casing.
4:25 p.m. - First show of gas in water. Still unloading to pit thru annulus. Blow increasing.
5:00 p.m. - Blow increasing. Heavy stream water. (25' to 30')
5:20 p.m. - Shut casing and open tubing. Well about same as 5:00.
5:30 p.m. - Tubing unloaded and open both tubing and casing, heavy water both sides.
5:45 p.m. - Water and gas appears to be decreasing ? Smell of acid gas. Casing making the most water. Dark.
6:00 p.m. - Tubing and annulus blowing heavy water.
9:00 p.m. - Tubing and annulus blowing heavy water. Not too much gas. Shut well in.

1/9 - Shut in - TP-1475# - CP-1475#. Open well with heavy spray of water @ 8:30 a.m.
1:35 p.m. - TP-125# - CP-660# - 2,530 MCF-est. 40 BWPD

1/10 - Shut in - TP-1475# - CP-1475#. Open well with spray of water @ 9:00 a.m.
10:00 a.m. - TP-100# - CP-800#. 0 to 2.3 MMCF/D - Flow by heads, maybe less water.
4:00 p.m. - TP-125# - CP-660# - 2.3 MMCF/D - less water than on 1/9/70. Flow rate better. Stabilized, however, too much water to efficiently produce.
4:05 p.m. - CP to 875#.

1/24/70 - Rig up Colorado Well Service. Mix 140 bbls. of 10.2#/gal. calcium chloride water. Kill well with 115 bbls. of water. Well died. Nipple up BOP and shut down for overnight.

1/25/70 - Open tubing with large head of gas. No pressures. Well unloaded water and gas out of tubing. Shut well in. Mixed calcium chloride water. Shut down for overnight.

1/26/70 - Blew well down. Killed well with 100 bbls. calcium chloride water. Pulled tubing. Re-ran tubing with Baker tension packer. Set packer at 3601 KB. Packer bull plugged on bottom. Perf. nipple on top of packer. Well taking water continuously while running in tubing. Total calcium chloride water pumped into well 275 bbls. Removed BOP. Put on well head. Leave well open for three hours. Did not flow. Shut in overnight.

Luff #3 Lingelbach
NE SE Sec. 20, T6S, R21E
Uintah County, Utah

1/27/70 - Well flowing to atmosphere. At 3:45 p.m. tubing pressure 140, casing pressure 460. Rate 1790 MCF. Heavy spray of water with pencil stream running from pipe. Continue to blow well to atmosphere.

1/28/70 - Well open to atmosphere overnight. 7:15 a.m. tubing pressure 125, casing pressure 425. Rate 1790 MCF. Possibly slightly less water, however, spray heavy. Pencil stream still running from flow line. 8:00 p.m. tubing pressure 110, casing pressure 400. Rate 1630 MCF. Spray of water still heavy. Pencil stream still running from flow line. Volume of water still approximately the same as prior to setting packer. Very little change in water. Well does not look too good at the present time.

LITHOLOGY

Refer to lithologic descriptions shown on mud logger report and log of well.

SIGNIFICANT MUD LOGGER SHOWS

Sand Interval	Net	Comments
3461-64 & 3467-70	(2) (2)	Total gas readings 600 units; all methane. Mud weight 9.2 lbs./gal. (Gas Productive)
3509-14	(4)	Total gas reading 20 units; dominantly methane with trace ethane. Mud weight 9.8#/gal. (Possible gas productive)
3550-57	(6)	Total gas reading 85 units; dominantly methane with trace ethane. Mud weight 9.8#/gal. (Possible gas productive)
3570-76	(4)	Total gas reading 25 units; dominantly methane with trace ethane. Mud weight 9.8#/gal. (Possible gas productive)
3581-84	(2)	Total gas readings 40 units; all methane. Mud weight 9.9#/gal. (Possible gas productive)
3586-90	(4)	Total gas readings 55 units; all methane. Mud weight 9.9#/gal. (Possible gas productive)
3615-19	(2)	Total gas readings 20 units; all methane. Mud weight 9.9#/gal. (Possible gas productive)
3624-30	(5)	Total gas readings 180 units; dominantly methane with trace ethane. Mud weight 9.8#/gal. (Possible gas productive)
3666-75	(5)	Total gas readings 90 units; dominantly methane with trace ethane and propane. Mud weight 9.8#/gal. (Possible gas productive)
3688-97	(7)	Total gas readings 100 units; dominantly methane with trace ethane and propane. Mud weight 9.8#/gal. (Possible gas productive)
3720-24	(3)	Total gas readings 10 units; all methane. Mud weight 9.8#/gal. (Probably tight gas zone)

K. D. Luff
Lingelback # 3
Production Test

2-25-70 M.I. separator w/Casada and start r.u. for flow test
2-28-70 Unload well to air. SIPC 1490 psi SIPT 1300 unload large head water. S.I. well wait on transportation.
3- 1-70 SIPT 1350 SIPC 1490 unload well to air, lay water line w.o. methanol for separator to start test.
3- 3-70 SIPC 1500 SIPT 1300, finish tie in on separator, unload well to air, turn well through separator for extended flow test.

	Time	Tbg.	Csg.	Back Pressure	Remarks
	9:40 A.M.	1200	1475	390 p.si	Open well at flow rate 750 MCF/D.
	10:00 A.M.	600	950	340 p.s.i.	Gas rate 620 MCF/D water rate 340 B.W.P.D.
	4:00 P.M.	200	550	125 p.s.i.	Gas rate 500 MCF/D water rate 175 to 340 BWPD
	5:00 P.M.	175	525	140 p.s.i.	Gas rate 500 MCF/D water rate 175 to 340 BWPD
3-4-70	7:00 A.M.	200	525	140 p.s.i.	Gas rate 517 MCF/D water 85 to 257 BWPD
	5:00 P.M.	200	520	140 p.s.i.	Gas rate 517 MCF/D water 85 to 171 BWPD
3- 5-70	12:10 P.M.	200	500	150 p.s.i.	Gas rate 517 MCF/D water 18 to 340 BWPD
	1:00 P.M.	200	500	150 p.s.i.	Gas rate 517 MCF/D water 18 to 340 BWPD
3- 6-70	4:15 P.M.	200	500	150 p.s.i.	Gas rate 481 MCF/D water 96 to 168 BWPD
3- 7-70	2:40 P.M.	150	500	130 p.s.i.	Gas rate 458 MCF/D water 86 to 340 BWPD
3- 8-70	1:45 P.M.	200	500	150 p.s.i.	Gas rate 537 MCF/D water low rate 86 BWPD, heads are less frequent but over all rate is greater than 100 bbls. per day
3- 9- 70	5:20 P.M.	175	475	150 p.s.i.	Well is heading w/gas rate and water rate erratic gas rate 439 MCF/D, water rate low 86 BWPD high rate 508 BWPD. Estimated cumulative water this test is 1050 bbls. w/est. gas cumulative 3,450 MCF.

FORMATION TOPS

Uinta	Surface
"A" Marker	3236
"B" Marker	3398 (+1334)
"C" Marker	3506
"D" Marker	3608
Green River Trans.	3749

MIDNIGHT DRILLING DEPTHS

Date	Depth	Footage
12/17/69	122	122
12/18/69	707	614
12/19/69	1965	1258
12/20/69	2910	945
12/21/69	3482	572
12/22/69	3706	324
12/23/69	3801	95
12/24/69	3801	--

DEVIATION SURVEYS

Depth	Deviation	Pump Press.	Weight	RPM
90'	1/2 degree	- - - - - - - -	-Water- - - - - - - -	
228'	3/4 degree		"	
1139'	3/4 degree		"	
1774'	1 degree		"	
2862'	1 1/2 degree		"	
3351'	3/4 degree	600-700	40,000	80

BIT RECORD

No.	Size	Make	Type	In	Out	Footage	Hours
1	7 7/8	HTC	OSC3J	238	1139	901	10 1/2
2	7 7/8	HTC	OSC3J	1139	1774	635	11 1/4
3	7 7/8	Reid	YT3-TJ	1774	2278	504	12 1/4
4	7 7/8	Smith	DTTJ	2278	2862	584	13 1/2
5	7 7/8	Smith	DTTJ	2862	3482	620	15 3/4
6	7 7/8	Smith	RB5J	3482	3510	28	4
7	7 7/8	Reid	YTITJ	3510	3711	201	13
8	7 7/8	Smith	RB5JS	3711	3801	90	12 1/4

DAILY MUD CHARACTERISTICS

Note: Clear water was used as a drilling fluid to a depth of 3100' at which time a chem-gel mud was mixed. The well was serviced by Baroid.

Date	Depth	Type	Weight	Visc	W.L.	PH	% Sd.
12/21/69	3408	Chem-gel	9.2	40	15	9.5	1/10
12/22/69	3560	Chem-gel	9.8	43	9.4	10.0	1/2
12/23/69	3801	Chem-gel	10.1	50	9.4	10.5	1/2

Logging Company

3901 TRUMBLL S.E. ALBUQUERQUE, NEW MEXICO PHONE 265-8164 298-7581

Company KENNETH D. LUFF
Well # 3 LINGELBACH
Location SEC. 20, T6S, R21E.
County UINTAH
State UTAH

Depth Logged From 3420' To 3800'
Date Logged From ______ To ______
Elev. G.L. ______ K.B. ______
Mud Type CHEM-GEL

LEGEND

Sand		Siltstone	
Shale		Chert	
Limestone		Coal	
Dolomite		Igneous	
Anhydrite			

Calibration Chromatograph
5 — Pentane
4 — Butanes
3 — Propanes 1
2 — Ethane 5
1 — Methane 10

Drill Rate - Min./Ft.	Depth	Lithology	Description Wt.-Vis.-W.L.-F.C.-Ph.-Cl.	Por.	Cut TFC	Cuttings Gas	Mud Gas
			SAMPLE QUALITY POOR				
			SS, WHT LT GY VF-FG TITE TO SM V/FRI SFT CEM CALC SM S & P SS SL GLAUC FRI TO SM UNCON HVY TR BENT				
	20		SH, VARI COLOR BRITE GN-GN RD BN MOTT SM SLTY SNDY DOLO'C TO LIMEY FIRM TO WXY				
	40		LS, BN VFX HD DNS				
			SH, RD BN LT GN-GN -GY YELL MOTT FIRM FN TEXT TO SLTY SND SM SFT WXY SM LIMEY FN MICA				
	60		SS, WHT LT DIRTY GY VFG TITE CALC CEM				
			SS WHH CL LT GY VF-F G TITE TO SM CALC CEM FRI SL GLAUC				
	80						

Mud Gas scale: 0 25 50 100 200 400
Drill Rate scale: 5 10 15 20
Cuttings Gas scale: 50 100

ALBERTA Logging Company

3901 TRUMBLL S.E. ALBUQUERQUE, NEW MEXICO PHONE 265-8164 298-7581

Company KENNETH P. LUFF

Well # 3 LINGELBACH

Location

County

State

Depth Logged
From To

Date Logged
From To

Elev. G.L. K.B.

Mud Type

LEGEND

Sand		Siltstone	
Shale		Chert	
Limestone		Coal	
Dolomite		Igneous	
Anhydrite			

Calibration Chromatograph

5 Pentane
4 Butanes
3 Propanes
2 Ethane
1 Methane

Drill Rate - Min./Ft.	Depth	Lithology	Description Wt.-Vis.-V.L.-F.C.-Ph.-Cl.	Cut TYPE	Cuttings Gas %	Mud Gas 5 4 3 2 1 0 25 50 100 200 400
0 5 10 15 20	20		SS, WHT LT GY VF-FG TITE TO SM CL FRI TO UNCON TR GLAUC BIOT SS, A/A SM V/FRI CALC CEM SM UNCON TR STN			
	40		SH, LT BRITE GN-GN. RD BN MOTT YELL TR LT GY FIRM SLTY TO SNDY TO V/SFT WXY W/INBED SD GRS LINE I.P. HVY TR FURP SH			
	60		SS, WHT LT GY GN VF-FG FRED V/FRI SL TR STN NO FLUO SUB ANG TO SUB RND SM W/ IMBED LS NODULES			
	80		SS, WHT LT GY CL TR LT BN VF-FG TITE TO [illegible]			

ALBIRTA Logging Company

9901 TRUMBLL S.E. ALBUQUERQUE, NEW MEXICO PHONE 265-8164 298-7581

Company KENNETH D. LUFF

Well # 3 LINGELBACH

Location

County

State

Depth Logged From ______ To ______

Date Logged From ______ To ______

Elev. G.L. ______ K.B. ______

Mud Type ______

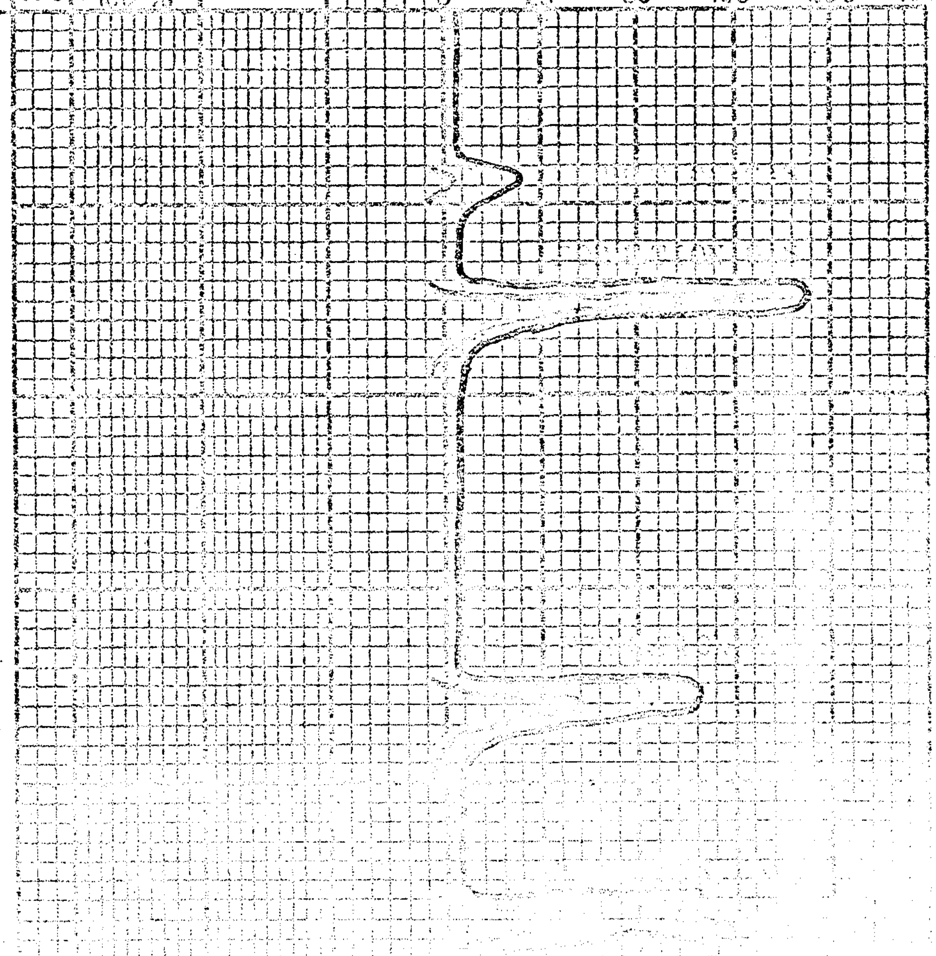
LEGEND

Sand		Siltstone	
Shale		Chert	
Limestone		Coal	
Dolomite		Igneous	
Anhydrite			

Calibration Chromatograph

5 — Pentane
4 — Butanes
3 — Propanes
2 — Ethane
1 — Methane

Drill Rate - Min./Ft.	Depth	Lithology	Description Wt.-Vis.-W.L.-F.C.-Ph.-Cl.	Por	Cut TFO	Cuttings Gas (Flo. 100 %)	5 4 3 2 1	Mud Gas 0 25 50 100 200 400
			SH, LT GN/GN SFT WXY W/SH RD BN MOTT YEL TR PURP FN TEXT FIR TO SLTY SNDY FN MIC					
	20		SS, WHT CL LT BN CL VFG HD TITE TO SM SL FRI CALC CEM SM S&P					
			SS, A/A W/SM WHT CL UNCON SS TR LG QTZ SUB ANG TO SUB RND V/SL TR STN NO FLUO SL TR GLAUC BIOT					
	40		SH, VARI COLOR LT GN GN BRITE GN RD BN MAR PURP MOTT FIRM TO V/SFT WXY SNDY SLTY I.P. SM LIMEY					
	60		SS, WHT LT DIRTY GY VFG TITE					
			SS, WHT LT GY SM S&P LT BN SFT CEM TO V/ FRI DRY TR STN NO FLUO SL CUT					
	80		SH, VARI COLOR RD GN GN MOTT PURP YELL SFT WXY TO FIRM SNDY [illegible]					



[illegible] Logging Company

3901 TRUMBLL S.E. ALBUQUERQUE, NEW MEXICO PHONE 265-8164 298-7581

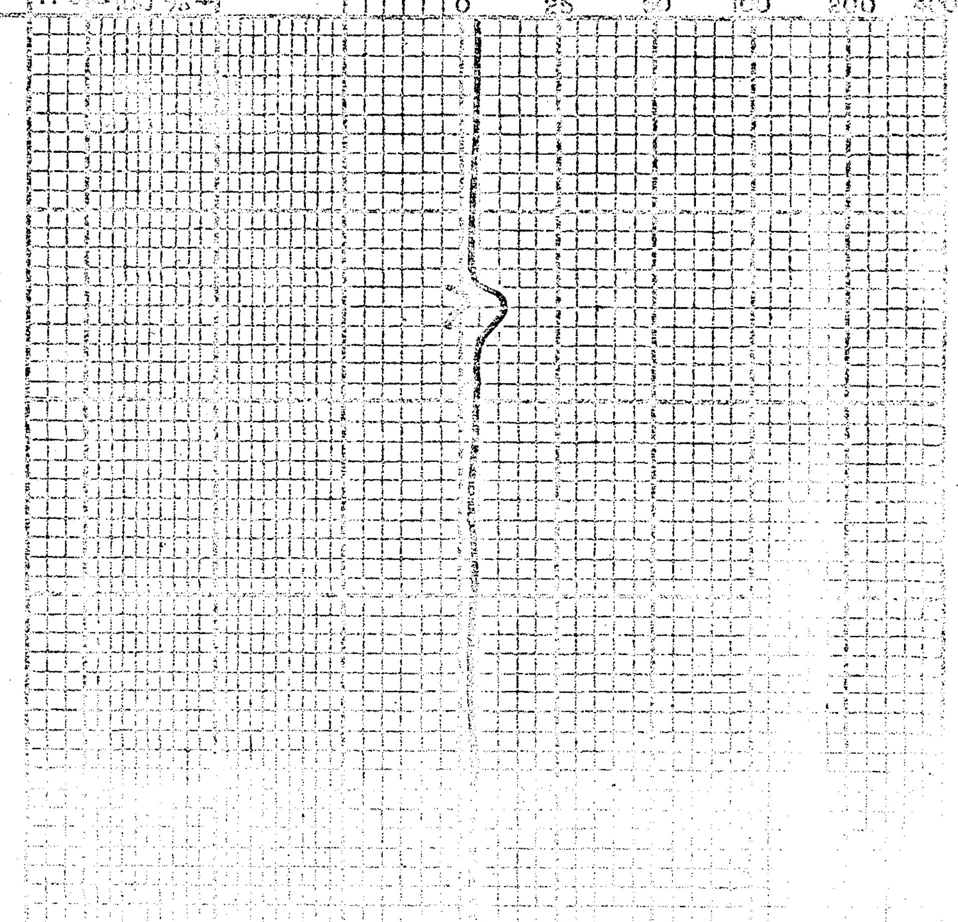
Company KENNETH D. LUFF
Well # 3 LINGELBACH
Location
County
State

Depth Logged From ______ To ______
Date Logged From ______ To ______
Elev. G.L. ______ K.B. ______
Mud Type ______

Legend			
Sand		Siltstone	
Shale		Chert	
Limestone		Coal	
Dolomite		Igneous	
Anhydrite			

Calibration Chromatograph
5 — Pentane
4 — Butanes
3 — Propanes
2 — Ethane
1 — Methane

Drill Rate - Min./Ft.	Depth	Lithology	Description Wt.-Vis.-W.L.-F.C.-Ph.-Cl.	Por.	Cut TFG	Cuttings Gas 50 100	Mud Gas 0 25 50 100 200 400
			SS, WHT LT GY FG TIT TO SM SFT CEM				
			SH, VARI COLOR LT GN GN RD BN, TR GY MOTT YELL PURP FN TEXT FIRM TO SFT WXY				
	20		SS, WHT LT GY TR LT GN LT BN VFG PRED HD TITE SM DIRTY W/ TR STN O.O.				
	40		SS, LT GY SM WHT LT BN DIRTY GY VF-FG TITE SL CALC TR STN				
			SH, VARI COLOR LT GN GN PURP BN RD YELL TR GY FIRM SLTY SND TO SFT WXY SL CALC				
	60		SS, LT GY WHT VFG V/ HD TITE SM DIRTY SL TR STN SL GLAUC				
			SS, LT GY TR LT BN PRED V/HD TITE SL [illegible]				
	80		[illegible]				



LINGELBACK # 3

WORKOVER REPORT

1-23-70 Start m.i. and r.u. Colorado Well Service.

1-24-70 Leave Vernal 7:25 A.M. on location @ 7:55 A.M. Colorado Well Service crew on location, Dalbo water truck on location, C. J. Hart truck on location with CACL.
8-9 A.M. finish rigging up and start mixing CACL.
9-3:30 P.M. mix 140 bbls 10.2 #/gal.
3:30-4:30 P.M. kill well w/115 bbls CACL water (calculated capacity to load well to 3500' is 51.16 bbls.) (64)
4:30-6:00 P.M. strip off head and install B.O. P.

1-25-70 On location @ 8:00 A.M. Colorado Well Service crew on location, well pressured up (10) unloading heads of CACL H_2O and dry gas, pump in approximately 10 bbls, ran out of CACL water did not have enough volume to kill well.
Dalbo water truck on location w/load water @ 11:30 A.M. C. J. Hart truck on location 11:30 A.M. w/load CACL.
11:30 A.M. to 2:00 P.M. mix 150 bbls 10.2 #/gal.
2:00-2:30 P.M. circulate and roll in tank w/guns to finish mix. S.i. well wait on daylight to kill and trip well.

1-26-70 On location 7:45 A.M. Colorado well service on location circulating in tank to conditio CACL water.
8:00-1030 A.M. kill well used 90 bbls CACL. (90) (60)
10:45-11:50 A.M. POOH w/110 jts. tbg. 3429.35 ft. (used 60 bbls. CACL H_2O to keep hole filled)
12:00 -1:30 P.M. ran in w/Baker A.C. Tension Packer set Packer @ 3601 k.b. w/bottom of Packer Bull plugged and 4 ft. machine perforated nipple 3601-3597' on 115 jts. 2 3/8" EUE 4.7# J-55 8 rd. tbg. Tbg. landed on 2 7/8" x 2 3/8" EUE swage nipple in well head flange.
2:00-4:00 P.M. Strip off preventer and nipple up well head, fluid level dropping more slowly than on trip after setting Packer. S.i. for night.

1-27-70 On location @ 7:45 A.M. Colorado Well Service on location rigging up, swab, no flow on tubing, SIPT 300 p.s.i.
8:45-9:30 A.M. swab well in.
9:30-10:00 A.M. rig down, swab well, flowing heads of CACL H_2O and gas
10:30 A.M. Released rig to move to Gowe Govt.
3:45 P.M. FPT 140 p.s.i., FPC 460 gage 1,790 MCF/D w/hvy spray of CACL water leave well on extended flow to clean up.

1-28-70 7:15 A.M. FPT 125 p.s.i., FPC 425 p.s.i. gage 1790 MCF/D still very wet but less than previous gage. Leave on ext. flow.

1-29-70 11:50 A.M. FPt 125 p.si., FPC 375 p.s.i. gage 1630 MCF/D w heavy spray of water fresh water is increasing as more ice is forming at end of flow line. Water rate is about the same as before rework. Shut in well

1-30-70 9:10 A.M. SIPT 925, SIPC 1340 p.s.i., open well, died in one minute to very weak blow, followed by large head of free water est. 2½ - 3 bbls. followed by strong blow very wet gas.
9:30 A.M. Steady spray of water w/gas leave on extended flow.
11:30 P.M. FPT 125, FPC 375 p.s.i., 1,630 MCF/D w/ hvy spray of water . s.i. well

1-31-70 5:15 P.M. SIPT 975, SIPC 1325 p.s.i., open well to air, died two minute, fol. by large head of free water, est. 2½-4 bbls., fol. by heavy spray of free water in strong blow gas.
9:15 P.M. FPT 125, FPC 400 p.s.i., gage 1790 MCF/D, very heavy spray of water, est., 75-100 B.W.P.D., lv. well on ext. flow.

2-1-70 7:15 A.M. FPT 125, FPC 375 p.s.i., gage 1600 MCF/D, no change in water production, est. 75-100 B.W.P.D., s.i. well.

2-2-70 SIPT 1325, SIPC 1350 p.s.i., m.i. w/work over unit.

2-3-70 Finish r.u. Colorado Well Service, mix 100 sxs. CACL (150 bbls volume) kill well. Baker Packer would not release, working packer loose in 2 hrs. by driving down hole 16 ft. POOH bull plug on packer had been in sand @ 3617'. Ran in w/Backer AC Tension Packer Conventional Set Packer @ 3598' prep to swab test perfs 3617'-18'.

2-4-70 Swab test perfs 3617-18' packer set conventional @ 3598' tested avgerage fill up 300' pr 30 min., no sustained gas flow. Water estimated 24 B.P.D. gas TSTM on 2" est. 60 MCF/D, kill well to unseat packer, reset packer conventioal @ 3536' swab test 3552-53, 3572, 3576, 3582-83, 3588-89 and known zone 3617-18. Swab in @ 3:30 P.M. good blow gas, very wet 4:30 P.M. flowing to pit gage 500 MCF/D. 5:00 P.M. gage 500 MCF/D very wet. S.i. for night.

2-5-70 Packer set conventional @ 3536 testing 3552-53, 3572, 3576, 3582-83, 3588-89 and retest 3617-18'. SIPT 14 hrs 1425 p.s.i. casing loaded above packer w/ CACL water. Open well @ 7 A.M. to air to clean up.
8:45 A.M. gage 537 MCF/D w/est. 4.3 BWPH, water 10.1 #/gal.
9:00 A.M. gage 572 MCF/D w/est. 103 BWPD water 8.6 # gal.
9:30 A.M. gage 572 MCF/D w/est 103 BWPD kill well, POOH water 8.6 #/gal.
Ran in w/Baker Packer Bull plugged, set packer @ 3536' prep to swab test above packer3512-13, 3468-69 and 3462-63. Start swabbing 1:30 P.M. rec. CACL water wt. 10.1 #/gal swab rec.full tank 10.1 # /gal @ 4 P.M. turn to pit cont. swab rec. at 4:30 P.M. wt. 9.9 #/gal highly gas cut. Continue swabbing to 5 P.M. no flow, recovery 3 bbls. pr run.

2-6-70 SIPT 100 SIPC 600 p.s.i. packer @ 3536 testing above packer 3512-13, 3468-69, and 3462-63. Open tubing died immediately, swab well 7:30 A.M. to 10 A.M. csg. 580 p.s.i. well flow gas 5 min. on swab run and die. Water sample wt. 8.6 #/gal. Continue swabbing well to 1:30 P.M. well will not produce over 15 min. behind swab. Water wt 8.6 #/gal released crew s.i. well. 8 P.M. SIPT 300 SIPC 900 p.s.i.

2-7-70 Sipt 300 SIPC 980 p.s.i. swab 4 run well came in for 15 min. and died. Casing pressure drop from 800-360 p.s.i. water weight 8.9 #/gal. Packer @ 3536, testing 3 zones above packer 3512-13, 3468-69, 3462-63. Kill well and reset packer @ 3507 to test two upper zones 3468-69 and 3462-63, swab back and recovered load fld. at 3 P.M. Continue swabbing to pit recovery Highly gas cut calcum chloride water wt. decreased from 10.1 #/gal @ 3 P.M. to 9.2 gals @ 4 P.M. S.i. for night. No gas flow casing 200 p.s.i.

2-8-70 Packer @ 3507 testing perfs 3468-69 and 3462-63 SIPT 100 SIPC 820 psi. 15 hr SI, Swab well 4 runs, well came in @ 8:10 A.M. flow to 8:25 A.M. died, csg. press decreased from 750 psi to 300 psi. Swab well recovered highly gas cut CACL water wt. 8.9 #/gal. Kill well reset packer @ 3601' nipple up well head and swab in well. Good blow gas very heavy spray of water too wet for gage. S.i. well released rig 3 P.M.

Note Tbg. Detail 115 joints 2 3/8" w/4' perf. nipple and AC Packer 3590
Add K.B. 11
3601 ft.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-026222

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Kenneth D. Luff

8. FARM OR LEASE NAME: Lingelbach

3. ADDRESS OF OPERATOR: 520 Patterson Building, Denver, Colorado 80202

9. WELL NO.: 3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1527' FSL x 660' FEL (NE SE)

10. FIELD AND POOL, OR WILDCAT: Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T6S, R21E

14. PERMIT NO.: Approved 12/15/69

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4732' KB

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Plug and abandon as follows:

Load hole with water or mud, whichever is required to kill well. Spot 20 sack plug at 3450' and squeeze 5 sacks into perforations. Shoot 4 1/2" casing at free point estimated to be at approximately 2000'. When pipe is free, set 15 sacks cement in and out of stub. Pull casing and set 35 sacks cement in and out of surface casing set at 270'. Set 5 sacks cement at top of surface pipe with dry hole marker.

APPROVAL IS CONDITIONAL UPON UTILIZING MUD BETWEEN ALL PLUGS; AND PLACING 80% OF THE CEMENT PLUG AT THE BASE OF THE SURFACE CASING, INSIDE PIPE.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE 7-25-72

BY Paul W. Burchell

Gene Welden Wesley above dope on 7/24/72 & verbal approval to commence work - Well one 13 Mi/gal mud

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Operator DATE 7/21/72

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-026222

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Lingelbach

9. WELL NO.: 3

10. FIELD AND POOL, OR WILDCAT: Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T6S, R21E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Kenneth D. Luff

3. ADDRESS OF OPERATOR: 520 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1527' FSL x 660' FEL (NE SE)

14. PERMIT NO.: Approved 12/15/69

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4732' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☒
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Plug and abandon as follows:

Load hole with mud required to kill well. Spot 20 sack plug at 3450' and squeeze 5 sacks into perforations. Shoot 4 1/2" casing at free point estimated to be at approximately 2000'. When pipe is free, set 15 sacks cement in and out of stub. Pull casing and set 35 sacks cement in and out of surface casing set at 270'. Set 5 sacks cement at top of surface pipe with dry hole marker.

The pit has been filled, location leveled and regulation dry hole marker erected.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Operator DATE 11/3/72

PA Date used

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side